

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION	DOCKET NUMBER WTE 301	APPLICATION NUMBER 10607189
	APPLICANT Allen F. Podell	
	FILING DATE June 25, 2003	GROUP ART UNIT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
<i>ue</i>	6,518,856	2/11/2003	Casale et al.			
	6,407,648	6/18/2002	Johnson			
	6,020,783	2/1/2000	Coppola			
	6,246,299	6/12/2001	Werlau			
	5,982,252	11/9/1999	Werlau			
	5,926,076	7/20/1999	Johnson et al.			
	5,889,444	3/30/1999	Johnson et al.			
	5,563,558	10/8/1996	Mohwinkel et al.			
	4,999,593	3/12/1991	Anderson			
	4,937,541	6/26/1990	Podell et al.			
<i>ue</i>	4,800,345	1/24/1989	Podell et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO

OTHER DOCUMENTS

<i>ue</i>	✓	An, Hongming et. al, <i>LA 50:1 Bandwidth Cost-Effective Coupler with Sliced Coaxial Cable</i> , IEEE MTT-S Digest, pp. 789-792, June 1996.
	✓	Walker, J.L.B., <i>Analysis and Design of Kemp-Type 3 dB Quadrature Couplers</i> , IEEE Transactions on Microwave Theory and Techniques, Vol. 38, No. 1, pp. 88-90, January 1990.
	✓	Bickford, Joel D. et. al, <i>Ultra-Broadband High-Directivity Directional Coupler Design</i> , IEEE MTT-S Digest, pp. 595-598, 1988. <i>No mention</i>
<i>ue</i>		Young, Leo, <i>The analytical equivalence of TEM-mode directional couplers and transmission-line stepped-impedance filters</i> , Proceedings IEEE, Vol. 110, No. 2, pp. 275-281, February 1963.
EXAMINER <i>DN ue</i>		DATE CONSIDERED <i>11/3/04</i>

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W	4,216,446	8/5/1980	Iwer			
I	4,158,184	6/12/1979	Kenyon			
	3,967,220	6/29/1976	Tagashira et al.			
W	3,516,024	6/2/1970	Lange			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	

OTHER DOCUMENTS

W	✓	Levy, Ralph, <i>General Synthesis of Asymmetric Multi-Element Coupled-Transmission-Line Directional Couplers</i> , * IEEE Transactions on Microwave Theory and Techniques, Vol. MTT-11, No. 4, pp. 226-237, July 1963.
I	✓	Monteath, G.D., <i>Coupled Transmission Lines as Symmetrical Directional Couplers</i> , Proc. IEE, Vol. 102, Part B, No. 3, pp. 383-392, May 1955.
I	✓	Oliver, Bernard M., <i>Directional Electromagnetic Couplers</i> , * Proc. IRE, Vol. 42, No. 11, pp. 1686-1692, November 1954.
W	✓	Gerst, C.W., <i>11-7 Electrically Short 90° Couplers Utilizing Lumped Capacitors</i> , Syracuse University Research Corporation, pp. 58-62, (year unknown). <i>No mention</i>
EXAMINER DLOH LG		DATE CONSIDERED 11/30/04